

Document Title:  <b>ATMOS 41 Gen 2 Pages</b>		Part #  <b>18037</b>	
		Release Date: <b>7.26.24</b>	
Rev	Description	Revision By	Date
00	Initial Release for tech writer project NEW ID: 21801 tied to NRP Sheet 11922	KB	7.24
01	Spec correction for rain gauge measurement. Corrected table of contents DCO 23847	KB	9.24

**Production File Path:**

[http://publications.metergroup.com/Manuals/18037 ATMOS41Gen2 Print.pdf](http://publications.metergroup.com/Manuals/18037_ATMOS41Gen2_Print.pdf)

**Working File Path:**

[/SharePoint/Sites /Product Number Library/18000-18099/18037](/SharePoint/Sites/Product%20Number%20Library/18000-18099/18037)

**Dimensions:** 12.5" wide x 8" tall (folded, 8" H x 6.25" W)

**Colors:** CMYK/Full color 4/4

**Printer:** At approved vendor or printed in house

**Material:** Tabloid (11x17) Color Copy Digital

**Finishing:** Fold, saddle-stich, and trim

**Image below is for reference only. Not to scale.**

TABLE OF CONTENTS	
1. Introduction.....	1
2. Operation.....	2
2.1 Installation.....	2
2.2 Connecting.....	5
2.2.1 Connect to METER Logger.....	6
2.2.2 Connect to Non-METER Logger.....	7
2.3 Communication.....	8
2.3.1 RS-12.....	8
2.3.2 Modbus RTU.....	8
3. System.....	9
3.1 Specifications.....	9
3.2 Solar Radiation (Pyranometer).....	15
3.3 Wind speed and direction (Anemometer).....	16
3.3.1 Wind Speed and Direction Theory.....	17
3.4 Vapor Pressure/Relative Humidity Sensor.....	19
3.5 Precipitation.....	20
3.5.1 Remove Rain Funnel.....	23
3.5.2 Electrical Conductivity (EC).....	27
3.6 Temperature Sensor.....	27
3.6.1 Air Temperature Theory.....	28
3.7 Lighting Sensor.....	29
3.8 Barometric Pressure Sensor.....	30
3.9 Tilt Sensor.....	30
3.10 Limitations.....	30